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| | International Application No. |
| REQUEST | Internationa: Filing Date |
| The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. | Name of receiving Office and "PCT International Application" |
| | Applicant's or agent's file reference (if desired) (12 characters maximum) 300036WO/KCS/nlb |
| Box No. I TITLE OF INVENTION A COMMUNICATION SYSTEM | |
| Box No. II APPLICANT This | person is also inventor |
| Name and address: (Family name followed by given name; for a leg The address must include postal code and name of country. The count Box is the applicant's State (that is, country) of residence if no State of re NOKIA CORPORATION | try of the address indicated in this |
| KEILALAHDENTIE 4 02150 ESPOO FINLAND | Teleprinter No. Applicant's registration No. with the Office |
| State (that is, country) of nationality: | State (that is, country) of residence: |
| This person is applicant for the purposes of: all designated the Ur all designated the | signated States except the United States the States indicated in the States of America only the Supplemental Box |
| Box No. III FURTHER APPLICANT(S) AND/OR (F | URTHER) INVENTOR(S) |
| Name and address: (Family name followed by given name; for a let The address must include postal code and name of country: The count Box is the applicant's State (that is, country) of residence if no State of the likki TUUNANEN | Iry of the address indicated in this esidence is indicated below.) applicant only |
| Nuijavuori 2 F 51 02630 Espoo Finland | applicant and inventor inventor only (If this check-box is marked, do not fill in below;) |
| Tilland | Applicant's registration No. with the Office |
| State (that is, country) of nationality: | State (that is, country) of residence: |
| This person is applicant all designated all designated | signated States except |

PAGE WHITE & FARRER 54 Doughty Street

Kelda Camilla Karen STYLE

London WC1N 2LS

United Kingdom

Name and address: (Family name followed by given name; for a legal entity, full official designation.

The address must include postal code and name of country.) Facsimile No. Teleprinter No. Agent's registration No. with the Office

Address for correspondence: Mark this check-box where no agent or common representative is has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

AGENT OR COMMON REPRESENTATIVE: OR ADDRESS FOR CORRESPONDENCE

Form PCT/RO/101 (first sheet) (March 2001; reprint January 2003)

Further applicants and/or (further) inventors are indicated on a continuation sheet.

The person identified below is hereby/has been appointed to act on behalf

of the applicant(s) before the competent International Authorities as:

See Notes to the request form

common representative

X agent

Telephone No.

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| Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) | | | | | | | | |
| If none of the following sub-boxes is used, this sheet should not be included in the request. | | | | | | | | |
| Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) | | | | | | | | |
| Mikael HEERMAN | | e ij no state oj restuence | e is indicaled velo | н./ | applicant only | | | |
| Heinstie 42 | V | | | | applicant and inventor | | | |
| 02860 Espoo | • | | | | inventor only (If this check-box | | | |
| Finland | • | | | | is marked, do not fill in below.) | | | |
| · initario | | | | | Applicant's registration No. with the Office | | | |
| • • • | | | | | | | | |
| State (that is, country) of n | ationality: | | State (that is, | country; | of residence: | | | |
| This person is applicant for the purposes of: | all designated States | all designated the United Sta | States except ates of America | | the United States of America only the Supplemental Box | | | |
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| | | | | | applicant and inventor | | | |
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| Name and address: (Family | name followed by given | name: for a legal entit | v. tull official desi | enation. | This person is: | | | |
| The address must include posts Box is the applicant's State (tha | il code and name of cour | ntry. The country of the | e address indicate | ed in this | | | | |
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| Name and address: (Family | name followed by given | name; for a legal entir | y, full official des | ignation. | This person is: | | | |
| The address must include posts Box is the applicant's State (tha | | | | | applicant only | | | |
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| | | • | 4. | | applicant and inventor | | | |
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| This person is applicant for the purposes of: | all designated States | all designated the United Sta | States except ates of America | | the United States of America only the Supplemental Box | | | |
| Further applicants a | nd/or (further) inven | tors are indicated or | n another conti | nuation | sneet. | | | |

Form PCT/RO/101 (continuation sheet) (March 2001; reprint January 2003)

| | | | | | Sheet .10g | | |
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| Во | x No | . V | DESIGNATION OF STATES | λ | Mark the applicable check-boxes below. | at leas | t one must be marked: |
| Th | e foll | lowin | g designations are hereby made un | der R | ule 4.9(a): | | |
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applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Form PCT/RO/101 (second sheet) (January 2003)

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which Agents continues a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No.... (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular.

if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;

if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is

JENKINS, Peter David (GB) DRIVER, Virginia Rozanne (GB) DANIELS, Jeffrey Nicholas (GB) SHCKLETON, Nicola (GB) SLINGSBY, Philip Roy (GB) HILL, Christopher Michael (GB) RUUSKANEN, Juha-Pekka (FI) WILLIAMS, David John (GB) EVANS, Marc Nigel (GB) EVENSON, Jane Harriet (GB)

if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO. Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;

if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;

- if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part" in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI). and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement' and indicate the name or two-letter code of each State so excluded.

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| Sheet | No. | 5 . | |
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| Box No. VI PRIORITY | CLAIM | | | |
|---|--|---|--|--|
| The priority of the following | g earlier application(s) is here | by claimed: | | |
| Filing date | Number | , | Where earlier application | is: |
| of earlier application (davimonth/year) | of carlier application | national application: country or Member of WTO | regional application:* regional Office | international application: receiving Office |
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| item (2) | | | | |
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| Further priority claims | are indicated in the Suppleme | ental Box. | | |
| Box No. VII INTERNAT | CIONAL SEARCHING AU arching Authority (ISA) (if a the Authority chosen; the two | THORITY two or more International So-letter code may he used): | Searching Authorities are | |
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| Box No. VIII DECLARA | TIONS | | · · · · · · · · · · · · · · · · · · · | |
| | are contained in Boxes Nos. | | | Number of declarations |
| Box No. VIII (i) | Declaration as to the identi | ty of the inventor | | · : . |
| Box No. VIII (ii) | Declaration as to the appli date, to apply for and be g | | c international filing | |
| Box No. VIII (iii) | Declaration as to the appl date, to claim the priority | · | he international filing | : |
| Box No. VIII (iv) | Declaration of inventorshi United States of America) | | f the designation of the | : |
| Box No. VIII (v) | Declaration as to non-prej | udicial disclosures or exec | ptions to lack of novelty | |

Form PCT/RO/101 (third sheet) (July 2002; reprint January 2003)

| Box No. IX CHECK LIST; LANGUAGE O | OF FILING | |
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| This international application contains: (a) in paper form, the following number of sheets: | This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item): | Numbe of item |
| reques: (including declaration sheets) : 6 | 1. fee calculation sheet | : . |
| description (excluding | 2. original separate power of attorney 3. original general power of attorney | |
| sequence listings and/or tables related thereto) : 15 | 4. copy of general power of attorney; reference number, | • |
| claims : 3 | if any: | : - |
| abstract : 1 | 5. statement explaining lack of signature | : |
| drawings : 5 | 6. priority document(s) identified in Box No. VI as item(s): | |
| Sub-total number of sheets: 30 sequence listings: | 7. translation of international application into (language): | |
| tables related thereto (for both, actual number of | 8. scparate indications concerning deposited microorganism or other biological material | : |
| sheets if filed in paper form, whether or not also filed in computer readable form: | 9. sequence listings in computer readable form (indicate type and number of carriers) | |
| see (c) below) Total number of sheets 30 | (i) copy submitted for the purposes of international search un Rule 13ter only (and not as part of the international applic | cation): |
| b) only in computer readable form (Section 801(a)(i)) | (ii) (only where check-box (b)(i) or (c)(i) is marked in left columnadditional copies including, where applicable, the copy for purposes of international search under Rule 13ter | n) or the : |
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| c) also in computer readable form (Section 801(a)(ii)) | 10. tables in computer readable form related to sequence listings (indicate type and number of carriers) | |
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| Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the | (ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column additional copies including, where applicable, the copy for purposes of international search under Section 802(b-quark) | or the |
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| (additional copies to be indicated under items 9(ii) and/or 10(ii), in right column) | 11. other (specify): | : |
| Figure of the drawings which | Language of filing of the | |
| should accompany the abstract: Box No. X SIGNATURE OF APPLICAN | international application: F, AGENT OR COMMON REPRESENTATIVE | |
| iext to each signature, indicate the name of the person sign | ning and the capacity in which the person signs (if such capacity is not obvious from re | eading the reque |
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| . Date of actual receipt of the purported international application: | | Drawings: |
| Corrected date of actual receipt due to later be timely received papers or drawings complete the purported international application: | | received: |
| Date of timely receipt of the required corrections under PCT Article 11(2): | | not received |
| 5. International Searching Authority (if two or more are competent): ISA / | 6. Transmittal of search copy delayed until search fee is paid | |
| | For International Bureau use only | |
| Date of receipt of the record copy by the International Bureau: | | |

Form PCT/RO/101 (last sheet) (January 2003)